

**"IMPROVEMENTS TO BALANCE ROADS AND
DRAINS AT BHUVANESHWARINAGARA AND
MARUTHI LAYOUT OF DASARAHALLI
VILLAGE SURROUNDING AREA IN WARD NO 06
THANISANDRA)."**

PMC



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

To,

Date: 30-04-2022

ASSISTANT EXECUTIVE ENGINEER
BYATARAYANAPURA SUB DIVISION
BBMP
BANGALORE

Dear Sir,

Sub: M/s. Civil Pro Services for the work of "IMPROVEMENTS TO BALANCE ROADS AND DRAINS AT BHUVANESHWARINAGARA AND MARUTHI LAYOUT OF DASARAHALLI VILLAGE SURROUNDING AREA IN WARD NO 06 THANISANDRA."

Ref: 1. Work Order No: BBMP/EE/BTP/WO/35/2021-22
2. Job code: 006-21-000017

We are here with forwarding to Dhananjaya M L, No:90/4, 2nd Floor, 2nd Main, Seshadripuram, Bangalore – 560020. First & Final Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs. 2,05,76,647.93/- (Rs. Two Crore Five Lakhs Seventy Six Thousand Six Hundred Forty Seven and Ninty Three Paisa Only).

Thanking you,

Yours faithfully,

For Civil Pro



R KARTHIK RECHAN
AUTHORIZED SIGNATORY
CIVIL PRO

Attachments PMC Compliance report

W.S.K.
Project Engineer
Byatarayanapura Sub Division
BBMP, Bangalore-4



NAME OF WORK:- Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli Village Surrounding area in Ward no 06 Thanisandra.

Name of Client : EXECUTIVE ENGINEER, BYATARAYANAPURA DIVISION, BBMP, BANGALORE

Contractor/ Agency: Dhananjaya M L, No:90/4, 2nd Floor, 2nd Main, Seshadripuram, Bangalore - 560020

Total Cost : Rs. 2,05,76,647.93/-

Date Of Inspection : 30-04-2022

Status Of Bill : First & Final Bill

In the Presence of :
a) Assistant Engineer Byatarayanapura division, BBMP, Bangalore
b) R. Karthik Rechan, Partner, M/S CIVIL PRO, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	Description of work	Comments/Observations
1	18.27 KSRRB M200-15.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts as per specifications. iii) Dismantling Stone Masonry. B. Rubble Stone masonry in cement mortar. No. KBS Pg No 140, Item No 18.27,	Work done upto the Billed Quantity and the Quality is satisfactory
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (P.No-143 & 136, I No-19.1 & 17.4 & 17.1) 5km lead = $57+2.0 \times 1.28 \times 5 = 69.80$	Work done upto the Billed Quantity and the Quality is satisfactory

Handwritten signatures and stamps:
- Blue ink signature: "R. Karthik Rechan"
- Blue ink signature: "Assistant Engineer Byatarayanapura division, BBMP, Bangalore"
- Blue ink stamp: "RECHAN R. KARTHIK PARTNER M/S CIVIL PRO BANGALORE"





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3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)	Work done upto the Billed Quantity and the Quality is satisfactory
4	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs. With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machine mixed, well compacted for wall and Bottom including centering shuttering, cost of materials, HOM of Machinery, Curing Etc., Complete Excluding cost of Steel as per month MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification- WALL & Bottom thickness 15Cm (Item No 37.59.2 page no 271)	Work done upto the Billed Quantity and the Quality is satisfactory
5	KSRRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200 Specification No. Pg No.229 Item No.28.8.2	Work done upto the Billed Quantity and the Quality is satisfactory
6	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of all materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,complete. (Data Rate)	Work done upto the Billed Quantity and the Quality is satisfactory
7	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge	Work done upto the Billed Quantity and the Quality is satisfactory



M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



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8	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specification No.301 Loading and unloading with 5km lead= (I No-19.14,P No-143)	Work done upto the Billed Quantity and the Quality is satisfactory
9	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3(P.No.146, I.No.19.56)	Work done upto the Billed Quantity and the Quality is satisfactory
10	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147)	Work done upto the Billed Quantity and the Quality is satisfactory
11	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)	Work done upto the Billed Quantity and the Quality is satisfactory
12	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)	Work done upto the Billed Quantity and the Quality is satisfactory

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13	KSRRB 500-1. Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications.(P.No.158,I.No.21.1)	Work done upto the Billed Quantity and the Quality is satisfactory
14	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)	Work done upto the Billed Quantity and the Quality is satisfactory
15	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revision using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)	Work done upto the Billed Quantity and the Quality is satisfactory
16	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complete as per specifications.(P.No.158,I.No.21.2).	Work done upto the Billed Quantity and the Quality is satisfactory
17	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7)	Work done upto the Billed Quantity and the Quality is satisfactory

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CIVIL Pro
Sig.....
Date.....
BANGALORE



18	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4% VG-30 Bitumen (P.No-162, I No-21.22.6)	Work done upto the Billed Quantity and the Quality is satisfactory
19	KSRRB M800-13. Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (P.No-182, I No-24.15)	Work done upto the Billed Quantity and the Quality is satisfactory
20	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (P.No.140- I.No.18.47) & Pg No.136, Item No.17.4,17.1 (5km lead = 57+2*1.28X5)	Work done upto the Billed Quantity and the Quality is satisfactory

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21	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum, coarse and fine aggregate conforming to IS:383-2016, with superplasticiser @ 3lts conforming to IS9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rakers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour, hire charged of machines, all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No.176 Item No.22.6.1	Work done upto the Billed Quantity and the Quality is satisfactory
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25/5/20
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